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Please insert the following heading on page 4, between lines 14 and 15:

Ad

-- DETAILED DESCRIPTION --

In the Drawings

Please amend the drawings as indicated in red in the attached Submission of Proposed Drawing Amendment for Approval by Examiner.

REMARKS

Claims 1-10 are pending. Reconsideration and allowance are respectfully requested in view of the following remarks.

The specification has been amended to include section headings as requested by the Examiner.

The Examiner has objected to the drawings because they do not contain suitable descriptive legends. According, Applicant has amended the drawings to include descriptive legends.

Claims 1-10 are rejected under 35 U.S.C. §102(b) over Werner (EP 0 840 522). This rejection is defective because Werner fails to teach each and every feature of the present invention as required by 35 U.S.C. §102.

Claim 1 presents a digital video-processing unit including a memory manager wherein "an output of the processing means is coupled to an input of the memory manager, and in that the memory manager is further arranged to transfer the output data signal from the processing means

to the memory means for storing the output data signal, and to transfer the stored output data signal from the memory means to the output device.” Werner fails to teach such a memory manager. In particular, Werner’s memory manager 22 does not store the output data signal (i.e., the decompressed and re-sized data output by the scaling engine 25) in the shared memory 23, nor does Werner’s memory manager 22 transfer the decompressed and re-sized data output by the scaling engine 25 from the shared memory 23 to an output device. Rather, in Werner, the decompressed and re-sized data output by the scaling engine 25 is provided directly to the picture quality unit 14 by the scaling engine 25, without first being stored in the shared memory 23 (see, e.g., FIGS. 1-3; col. 7, lines 34-35). Further, Werner’s shared memory 23 “stores compressed video data for delivery to the decoding engine and also stores the video data after decompression for delivery to the scaling engine” (col. 2, line 54 – col. 3, line 3); there is no disclosure regarding the storage of the decompressed and re-sized data output by the scaling engine 25 in the shared memory 23. Accordingly, because Werner fails to teach each and every feature of claim 1, Applicant respectfully submits that claim 1 is allowable.

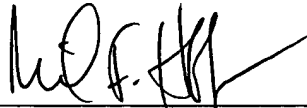
Claims 2-10 depend from independent claim 1, and are, therefore, patentable for at least the reasons set forth above.

Accordingly, Applicant respectfully submits that claims 1-10 are in condition for allowance.

In light of the above, Applicant submits that all claims are in condition for allowance. If the Examiner believes that anything further is necessary to place the application in condition for

allowance, the Examiner is requested to contact Applicant's undersigned attorney at the telephone number listed below.

Respectfully submitted,



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Dated: 12/20/02

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THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Van Asma

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Examiner: Tran, T.

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Application No.: 09/577,547

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Art Unit: 2614

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Filed: 05/24/2000

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For: Digital Video-Processing Unit

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Box Non-Fee Amendment
Commissioner for Patents
Washington D.C. 20231

SEPARATE MARKUP SHEET

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Technology Center 2600

In the Specification

Please insert the following heading below the Title:

--- TECHNICAL FIELD --

Please insert the following heading on page 1, line 10:

-- BACKGROUND AND SUMMARY--

Please insert the following heading on page 4, between lines 7 and 8:

-- BRIEF DESCRIPTION OF THE DRAWING FIGURES --

Please insert the following heading on page 4, between lines 14 and 15:

-- DETAILED DESCRIPTION --